

Title (en)
FLUORINE-CONTAINING COPOLYMER

Title (de)
FLUORHALTIGES COPOLYMER

Title (fr)
COPOLYMÈRE CONTENANT DU FLUOR

Publication
EP 4299631 A1 20240103 (EN)

Application
EP 22759867 A 20220228

Priority
• JP 2021031102 A 20210226
• JP 2022008450 W 20220228

Abstract (en)
[origin: WO2022181825A1] Provided is a fluorine-containing copolymer that contains tetrafluoroethylene units, hexafluoropropylene units, and perfluoro(propyl vinyl ether) units, wherein the hexafluoropropylene unit content is 10.3-12.0 mass% with respect to all of the monomer units, the perfluoro(propyl vinyl ether) unit content is 1.6-2.9 mass% with respect to all of the monomer units, and the melt flow rate at 372 °C is 5.0-40.0 g/10 minutes.

IPC 8 full level
C08F 214/18 (2006.01); **C08F 214/26** (2006.01); **C08F 214/28** (2006.01); **H01B 7/02** (2006.01)

CPC (source: EP US)
C08F 8/22 (2013.01 - EP); **C08F 214/26** (2013.01 - EP); **C08F 214/262** (2013.01 - EP US); **C08F 214/282** (2013.01 - US); **C08J 5/18** (2013.01 - EP); **C09D 127/18** (2013.01 - EP US); **H01B 3/445** (2013.01 - EP US); **C08F 2800/20** (2013.01 - US); **C08J 2327/18** (2013.01 - EP)

C-Set (source: EP)
1. **C08F 214/26 + C08F 214/28 + C08F 214/182**
2. **C08F 214/262 + C08F 214/28**
3. **C08F 8/22 + C08F 214/262**

Citation (search report)
See references of WO 2022181834A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4299636 A1 20240103; CN 116848151 A 20231003; CN 116867824 A 20231010; CN 116867826 A 20231010; CN 116888176 A 20231013; EP 4299620 A1 20240103; EP 4299631 A1 20240103; JP 2022132209 A 20220907; JP 2022132218 A 20220907; JP 2022132226 A 20220907; JP 2022132227 A 20220907; JP 7112013 B1 20220803; JP 7121328 B1 20220818; JP 7177377 B2 20221124; JP 7280540 B2 20230524; US 2023391916 A1 20231207; US 2023391926 A1 20231207; US 2023399437 A1 20231214; US 2023399442 A1 20231214; WO 2022181825 A1 20220901; WO 2022181834 A1 20220901; WO 2022181842 A1 20220901; WO 2022181843 A1 20220901

DOCDB simple family (application)
EP 22759858 A 20220228; CN 202280015007 A 20220228; CN 202280015022 A 20220228; CN 202280015061 A 20220228; CN 202280016713 A 20220228; EP 22759867 A 20220228; EP 22759876 A 20220228; JP 2022008441 W 20220228; JP 2022008450 W 20220228; JP 2022008460 W 20220228; JP 2022008461 W 20220228; JP 2022029699 A 20220228; JP 2022029708 A 20220228; JP 2022029716 A 20220228; JP 2022029717 A 20220228; US 202318450012 A 20230815; US 202318452015 A 20230818; US 202318452109 A 20230818; US 202318453487 A 20230822